

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/517,544
Source: PGT/10
Date Processed by STIC: 12/20/04

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,544

DATE: 12/20/2004

TIME: 15:03:49

Input Set : A:\1336(PCT)SEQUENCE.txt

Output Set: N:\CRF4\12202004\J517544.raw

3 <110> APPLICANT: RIKEN
 4 KABUSHIKI KAISHA DNAFORM
 6 <120> TITLE OF INVENTION: Method for utilizing the 5'end of mRNA for cloning and analysis
 8 <130> FILE REFERENCE: 1336(PCT)
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/517,544
 C--> 10 <141> CURRENT FILING DATE: 2004-12-10
 10 <150> PRIOR APPLICATION NUMBER: JP 2002-171851
 11 <151> PRIOR FILING DATE: 2002-06-12
 13 <150> PRIOR APPLICATION NUMBER: JP 2002-235294
 14 <151> PRIOR FILING DATE: 2002-08-12
 16 <160> NUMBER OF SEQ ID NOS: 77
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 74
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: First strand cDNA primer
 28 <220> FEATURE:
 29 <221> NAME/KEY: misc_feature
 30 <222> LOCATION: (73)..(73)
 31 <223> OTHER INFORMATION: "v" is A, C or G
 34 <220> FEATURE:
 35 <221> NAME/KEY: misc_feature
 36 <222> LOCATION: (74)..(74)
 37 <223> OTHER INFORMATION: "n" is any nucleotide
 40 <400> SEQUENCE: 1
 41 gagagagaga aaggatcctg ccatttcatt acctttctt ccgcacccga catagatttt 60
 W--> 43 tttttttttt ttvn 74
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 60
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Artificial
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: Upper oligonucleotide GN5
 54 <220> FEATURE:
 55 <221> NAME/KEY: misc_feature
 56 <222> LOCATION: (56)..(60)
 57 <223> OTHER INFORMATION: "n" is any nucleotide
 60 <400> SEQUENCE: 2
 W--> 61 agagagagac ctcgagtaac tataacggtc ctaaggtgc gacctaggc cgacgnnnnn 60
 64 <210> SEQ ID NO: 3
 65 <211> LENGTH: 60

P, 6

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66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial
 69 <220> FEATURE:
 70 <223> OTHER INFORMATION: Upper oligonucleotide N6
 72 <220> FEATURE:
 73 <221> NAME/KEY: misc_feature
 74 <222> LOCATION: (55)..(60)
 75 <223> OTHER INFORMATION: "n" is any nucleotide
 78 <400> SEQUENCE: 3
 W--> 79 agagagagac ctcgagtaac tataacggtc ctaaggttagc gacctaggc cgacnnnnnn 60
 82 <210> SEQ ID NO: 4
 83 <211> LENGTH: 54
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Artificial
 87 <220> FEATURE:
 88 <223> OTHER INFORMATION: Lower oligonucleotide
 90 <400> SEQUENCE: 4
 91 gtcggaccta ggtcgctacc ttaggaccgt tatagttact cgaggtctct ctct 54
 94 <210> SEQ ID NO: 5
 95 <211> LENGTH: 55
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Artificial
 99 <220> FEATURE:
 100 <223> OTHER INFORMATION: primer
 102 <400> SEQUENCE: 5
 103 agagagagac ctcgagtaac tataacggtc ctaaggttagc gacctaggc cgacg 55
 106 <210> SEQ ID NO: 6
 107 <211> LENGTH: 45
 108 <212> TYPE: DNA
 109 <213> ORGANISM: Artificial
 111 <220> FEATURE:
 112 <223> OTHER INFORMATION: linker
 114 <400> SEQUENCE: 6
 115 tctagatcg gactttcta tagtgtcacc taaagtctct ctctc 45
 118 <210> SEQ ID NO: 7
 119 <211> LENGTH: 47
 120 <212> TYPE: DNA
 121 <213> ORGANISM: Artificial
 123 <220> FEATURE:
 124 <223> OTHER INFORMATION: linker
 126 <220> FEATURE:
 127 <221> NAME/KEY: misc_feature
 128 <222> LOCATION: (46)..(47)
 129 <223> OTHER INFORMATION: "n" is any nucleotide
 132 <400> SEQUENCE: 7
 W--> 133 gagagagaga ctttaggtga cactatagaa gagtcctgat ctagann 47
 136 <210> SEQ ID NO: 8
 137 <211> LENGTH: 25
 138 <212> TYPE: DNA

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139 <213> ORGANISM: Artificial
 141 <220> FEATURE:
 142 <223> OTHER INFORMATION: Primer 1 (uni-PCR)
 144 <400> SEQUENCE: 8
 145 gagagagaga ctttaggtga cacta 25
 148 <210> SEQ ID NO: 9
 149 <211> LENGTH: 25
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Artificial
 153 <220> FEATURE:
 154 <223> OTHER INFORMATION: Primer 2(MmeI-PCR)
 156 <400> SEQUENCE: 9
 157 agagagagac ctcgagtaac tataa 25
 160 <210> SEQ ID NO: 10
 161 <211> LENGTH: 44
 162 <212> TYPE: DNA
 163 <213> ORGANISM: Artificial
 165 <220> FEATURE:
 166 <223> OTHER INFORMATION: first strand oligo-dT primer
 168 <220> FEATURE:
 169 <221> NAME/KEY: misc_feature
 170 <222> LOCATION: (43)..(43)
 171 <223> OTHER INFORMATION: "v" is A, C or G
 174 <220> FEATURE:
 175 <221> NAME/KEY: misc_feature
 176 <222> LOCATION: (44)..(44)
 177 <223> OTHER INFORMATION: "n" is any nucleotide
 180 <400> SEQUENCE: 10
 W--> 181 gagagagaga ggatcctct ggagagttt tttttttt ttvn 44
 184 <210> SEQ ID NO: 11
 185 <211> LENGTH: 45
 186 <212> TYPE: DNA
 187 <213> ORGANISM: Artificial
 189 <220> FEATURE:
 190 <223> OTHER INFORMATION: Oligonucleotide Bg-Gsu-GN5
 192 <220> FEATURE:
 193 <221> NAME/KEY: misc_feature
 194 <222> LOCATION: (41)..(45)
 195 <223> OTHER INFORMATION: "n" is any nucleotide
 198 <400> SEQUENCE: 11
 W--> 199 agagagagaa ctaggcttaa taggtgacta gatctggagg nnnnn 45
 202 <210> SEQ ID NO: 12
 203 <211> LENGTH: 45
 204 <212> TYPE: DNA
 205 <213> ORGANISM: Artificial
 207 <220> FEATURE:
 208 <223> OTHER INFORMATION: Oligonucleotide Bg-Gsu-N6
 210 <220> FEATURE:
 211 <221> NAME/KEY: misc_feature

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Input Set : A:\1336(PCT)SEQUENCE.txt
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212 <222> LOCATION: (40)..(45)
213 <223> OTHER INFORMATION: "n" is any nucleotide
216 <400> SEQUENCE: 12
W--> 217 agagagagaa ctaggcttaa taggtgacta gatctggagn nnnnn 45
220 <210> SEQ ID NO: 13
221 <211> LENGTH: 39
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Oligonucleotide Bg-Gsu-down
228 <400> SEQUENCE: 13
229 ctggagatct agtcacctat taagcctagt tctctctct 39
232 <210> SEQ ID NO: 14
233 <211> LENGTH: 47
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Oligonucleotide Bg-Mme-GNS
240 <220> FEATURE:
241 <221> NAME/KEY: misc_feature
242 <222> LOCATION: (43)..(47)
243 <223> OTHER INFORMATION: "n" is any nucleotide
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (39)..(39)
249 <223> OTHER INFORMATION: "r" is G or A
252 <400> SEQUENCE: 14
W--> 253 agagagagaa ctaggcttaa taggtgacta gatcttccra cgnnnnn 47
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 47
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Oligonucleotide Bg-Mme-N6
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: (42)..(47)
267 <223> OTHER INFORMATION: "n" is any nucleotide
270 <220> FEATURE:
271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (39)..(39)
273 <223> OTHER INFORMATION: "r" is G or A
276 <400> SEQUENCE: 15
W--> 277 agagagagaa ctaggcttaa taggtgacta gatcttccra cnnnnnn 47
280 <210> SEQ ID NO: 16
281 <211> LENGTH: 40
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial
285 <220> FEATURE:

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Input Set : A:\1336(PCT)SEQUENCE.txt

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286 <223> OTHER INFORMATION: Oligonucleotide Bg-Mme-down
 288 <220> FEATURE:
 289 <221> NAME/KEY: misc_feature
 290 <222> LOCATION: (3)..(3)
 291 <223> OTHER INFORMATION: "y" is C or T
 294 <400> SEQUENCE: 16
 295 gtyggagatc tagtcaccta ttaaggcttag ttctctctct 40
 298 <210> SEQ ID NO: 17
 299 <211> LENGTH: 47
 300 <212> TYPE: DNA
 301 <213> ORGANISM: Artificial
 303 <220> FEATURE:
 304 <223> OTHER INFORMATION: oligonucleotide
 306 <220> FEATURE:
 307 <221> NAME/KEY: misc_feature
 308 <222> LOCATION: (46)..(47)
 309 <223> OTHER INFORMATION: "n" is any nucleotide
 312 <400> SEQUENCE: 17
 W--> 313 gagagagaga ctttaggtga cactatagaa gagtccttag aattcnn 47
 316 <210> SEQ ID NO: 18
 317 <211> LENGTH: 45
 318 <212> TYPE: DNA
 319 <213> ORGANISM: Artificial
 321 <220> FEATURE:
 322 <223> OTHER INFORMATION: oligonucleotide
 324 <400> SEQUENCE: 18
 325 gaattctcag gactttcta tagtgtcacc taaagtctct ctctc 45
 328 <210> SEQ ID NO: 19
 329 <211> LENGTH: 49
 330 <212> TYPE: DNA
 331 <213> ORGANISM: Artificial
 333 <220> FEATURE:
 334 <223> OTHER INFORMATION: linker
 336 <220> FEATURE:
 337 <221> NAME/KEY: misc_feature
 338 <222> LOCATION: (45)...(49)
 339 <223> OTHER INFORMATION: "n" is any nucleotide
 342 <400> SEQUENCE: 19
 W--> 343 agagagagag ctttagatgag agtgactcga gcctaggtcc aacgnnnnn 49
 346 <210> SEQ ID NO: 20
 347 <211> LENGTH: 49
 348 <212> TYPE: DNA
 349 <213> ORGANISM: Artificial
 351 <220> FEATURE:
 352 <223> OTHER INFORMATION: linker
 354 <220> FEATURE:
 355 <221> NAME/KEY: misc_feature
 356 <222> LOCATION: (44)..(49)
 357 <223> OTHER INFORMATION: "n" is any nucleotide

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/20/2004
PATENT APPLICATION: US/10/517.544 TIME: 15:03:50

Input Set : A:\1336 (PCT) SEQUENCE.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 7/4
Seq#:2; N Pos. 56, 57, 58, 59, 60
Seq#:3; N Pos. 55, 56, 57, 58, 59, 60..
Seq#:7; N Pos. 46, 47
Seq#:10; N Pos. 44-
Seq#:11; N Pos. 41, 42, 43, 44, 45-
Seq#:12; N Pos. 40, 41, 42, 43, 44, 45-
Seq#:14; N Pos. 43, 44, 45, 46, 47
Seq#:15; N Pos. 42, 43, 44, 45, 46, 47-
Seq#:17; N Pos. 46, 47
Seq#:19; N Pos. 45, 46, 47, 48, 49-
Seq#:20; N Pos. 44, 45, 46, 47, 48, 49-
Seq#:28; N Pos. 432, 436, 456
Seq#:29; N Pos. 1
Seq#:30; N Pos. 1, 20
Seq#:73; N Pos. 1

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52
Seq#:53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/517,544

DATE: 12/20/2004
TIME: 15:03:50

Input Set : A:\1336(PCT)SEQUENCE.txt
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:420
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1054 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:1091 M:258 W: Mandatory Feature missing,, <223> Blank for SEQ#:76, Line#:1089